



Principal
P.S. Govt. Degree College
PENUKONDA.

Annexure - V

UNIVERSITY GRANTS COMMISSION
SERO::HYDERABAD - 500 001

Utilization Certification

Certified that the grant Rs. 400,000/-

(Rupees Four lakhs only) received from the University Grant Commission Under the scheme of support for Minor Research Project entitled: Development and Evaluation of polymeric matrix for Controlled release applications using different polymers. Vide U.G.C letter No. F.MRP - 7087/16 (SERO/UGC) 18 MAR 2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with terms and conditions laid down by the University Grant Commission.

SIGNATURE OF THE ^{19/02/20}
PRINCIPAL INVESTIGATOR
Principal Investigator
MRP-7087/16 (SERO/UGC)
Department of Chemistry
P.S. Govt. Degree College,
PENUKONDA-515 110,
Anantapuramu Dt., A.P.

^{19/02/2020}
PRINCIPAL (Seal)
Principal
P.S. Govt. Degree College
PENUKONDA.



For A.G.V. REDDY & CO.
STATUTORY AUDITOR (Seal)
Chartered Accountants
Firm Regn. No. 0032455
A.G. VENUGOPAL REDDY
Proprietor
Main No. 022554
UDN: 9022554 AAAADR 4308

^{19/02/2020}
Principal
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

UGC Minor Research Projects - Grants

Name	Tot. Sanctioned	2018-19	2019-20	2021-22	Tot Released
2. P RAMAKRISHNA Lecturer in Chemistry	400000.00	355000.00	36000.00	9000.00	400000.00

Jeeva Kesala Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

i. Brief Objective of the Project

The Objective of this study involves the Preparation and *in vitro* evaluation of sustained release targeted microspheres containing 5-Fluorouracil for the treatment of cancer. They were formulated using N-succinyl chitosan (NSCS) blended with different polymers (Gelatin & Methyl cellulose) in various proportions to prepare microspheres by w/o emulsion cross-linking in the presence of glutaraldehyde (GA), which acted as a cross-linker. 5-Fluorouracil (5-FU) was encapsulated to investigate its controlled release (CR) characteristics in acidic (pH 1.2) and alkaline (pH 7.4) buffer media by dissolution experiment using a tablet dissolution tester (Lab India, Mumbai, India) equipped with eight baskets. The prepared microspheres were characterized by FT-IR, DSC and SEM. The microspheres were also evaluated as to encapsulation efficiency, swelling and *in vitro* drug release. The effects of blend composition, the extent of cross-linking, and initial drug loading on the *in vitro* release properties, were investigated. When analyzed through empirical equations, the release data suggested a non-Fickian transport mechanism.

The chief objective of most products should be controlled drug delivery to reduce dosing frequency to an extent that once daily does is sufficient for therapeutic management through uniform plasma concentration at a steady state.

The specific objectives includes

- i. To prepare polymeric matrix by using emulsion cross linking method.
- ii. To study the formulation properties of drug and polymers.
- iii. To study the *in-vitro* release pattern of these prepared polymeric matrix by using Dissolution apparatus.
- iv. To predict drug release rate and drug diffusion behavior through polymers.
- v. To elucidate the physical mechanism of drug transport.
- vi. To optimise the release Kinetics.
- vii. To characterize the formulation with respect to drug-exipient interaction by using FTIR, DSC and SEM

Jeeva Kexala Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

Principal
P.S. Govt. Degree College
PENUKONDA.

MRP-7087/16 (SERO/UGC)

Annexure VI

UNIVERSITY GRANTS COMMISSION
UGC-SERO :: HYDERABAD – 500 001

ANNUAL / FINAL REPORT OF THE WORK DONE ON THE MINOR RESEARCH PROJECT
(Report to be submitted with in the 6 weeks after completion of each year)

1. Project Report No 1st / Final : FINAL
2. UGC Ref No. MRP. F. : 7087/16 (SERO/UGS) 16 MAR 2018
3. Period of report : from APR 2018 to 30 MAR 2020
4. Title of the Project: "Development and Evaluation of polymeric matrix for Controlled release applications using different polymers"
5. (a) Name of the Principal Investigator : Dr P Ramakrishna
(b) Dept. of PI : Chemistry
(c) College where work is progressed : PS Government Degree College,
Penukonda, Anantapurdist - 515110
6. Effective Date of starting the Project : 20 APR 2018
7. Grants approved and expenditure incurred during the period of the report
 - a. Total amount approved Rs : 400,000/- (released so far 393,000/- as 1.8.11.16)
 - b. Total expenditure Rs : 400,710/-
 - c. Report of the work done : (pls attach a separate sheet) Attached

Jeevan Kesava Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

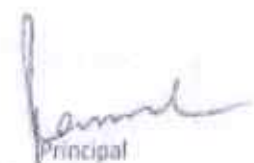
the polymeric matrices. The controlled release characteristic of the matrices for Fluorouracil (5-FU) was investigated in pH 7.4 media. Drug was released in a controlled manner up to 12 h.

In conclusion, the study demonstrates successful development of polymeric microspheres with natural and synthetic polymers. In the course of this study some novel techniques/polymeric systems were developed, which will be useful to the future researchers working in this area. The systems developed in this research work are promising CR systems to deliver anti-cancer drug. (Detailed work of MRP - Hard copy enclosed)

v. Any other information


Signature of the Principal Investigator

Principal Investigator
MRP-725715 (SEROJGG)
Department of Chemistry
P.S. Govt. Degree College,
PENUKONDA-515 110,
Anantapuramu DL, A.P.


Principal
(seal) Principal
P.S. Govt. Degree College
PENUKONDA.


PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

ii. Work done so far and results achieved and publications, if any resulting from the work (Give details of the papers and name of the journals in which it has been published or accepted for publication _____)

1. P Ramakrishna, K Harish Babu: Blend microspheres of succinyl chitosan and gelatin for the controlled release of 5-fluorouracil. World Journal of Pharmaceutical research, 2020; 9(5): 1995-2009.
2. P Ramakrishna, K Harish Babu: Preparation and in vitro evaluation of succinyl chitosan blended methyl cellulose microspheres for controlled release of 5-fluorouracil, World Journal of Pharmacy and Pharmaceutical Sciences, 2020 ; 9(6):1456-1467

iii. Has the progress been according to the original plan of work and towards achieving the objective? If not, state the reasons.

Yes

iv. Please enclose a summary of the findings of the study. One bound copy of the final report of work done may also be sent to the concerned Regional Office of the UGC

The present work addresses study on development of polymeric matrices for controlled release of anticancer drugs. The goal of this work is to achieve a comprehensive understanding of preparation of polymeric matrices and its release applications. Such a study is very important and useful in many pharmaceutical areas. Different types of polymeric microspheres are prepared and used successfully for release studies.

In this work the preparation of N- Succinyl chitosan (NSCS) and Gelatin(GE) blended microspheres for controlled release of 5-Fluorouracil (5-FU), an anti cancer drug, has been discussed. Carbohydrate polymeric blend microspheres consisting of N- Succinyl chitosan (NSCS) and Gelatin (GE) were prepared by water-in-oil (W/O) emulsion method. These microspheres were crosslinked with glutaraldehyde (GA) and loaded with 5-Fluorouracil (5-FU). The microspheres were characterized by Fourier transform Infrared spectroscopy (FTIR) Differential scanning calorimetry (DSC), scanning electron microscopy (SEM). DSC thermograms of 5-Fluorouracil (5-FU), loaded NSCS-GE blended microspheres confirmed the molecular level distribution of Fluorouracil (5-FU) in the polymer matrix. SEM of the microspheres suggested the formation of spherical particles. Swelling experiments on the microspheres provided important information on drug diffusion properties. Release data have been analyzed using an empirical equation to understand the nature of transport of drug containing solution through


PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)



MRP-7087/16 (SEROU/CGC)

MRP-7087/16 (SEROU/CGC)

UNIVERSITY GRANTS COMMISSION - SOUTH EASTERN REGIONAL OFFICE
2-3-194 CHONGALILATE IN FLOOR 2/F/5/F/C BUILDING HYDERABAD 500 011
Phone: 2224735 7222 Fax: 2224734 Website: www.ugc.ac.in

No. By No. 628
Date 22/10/19

October 2019

21 OCT 2019

No. F. MRP-7087/16 (MRP/UGC-SERO)

The Accounts Officer
South Eastern Regional Office
University Grants Commission
Hyderabad - 500 001

LINK NO: 7087, DEPT. CHEMISTRY
COMCODE: APSK014

Sub Release of Grants-in-aid to The Principal, P.S. GOVT. DEGREE COLLEGE PENUKONDA ANANTAPUR DIST. 515110 under the Scheme "Minor Research Projects" - Reg.

Sir/Madam,
On the basis of the accounts received for the first instalment grant, I am to convey the sanction of the Commission i.e. the payment of Rs.36000, to The Principal, P.S. GOVT. DEGREE COLLEGE PENUKONDA ANANTAPUR DIST. 515110, as second instalment towards the Minor Research Project entitled DEVELOPMENT AND EVALUATION OF POLYMERIC awarded to Dr. P. RAMA KRISHNA Department of CHEMISTRY as per the details given below:-

Item	Allocation (Rs.)	Amount sanctioned to far (Rs.)	Amount sanctioned being (Rs.)	Total amount sanctioned (Rs.)
Hiring Services	00	00	00	00
Contingency	20000	16000	8000	16000
Chemicals	60000	39000	24000	54000
Travel/Field Work	10000	5000	4000	9000
Total	90000	45000	36000	61000
Equipment	300000	300000	00	300000
Books	10000	10000	00	10000
Total	310000	310000	00	310000
Grand Total	400000	355000	36000	391000

Remarks:

- The grant is debit to the following head of account:

Amount Sanctioned	Head Of Account	Category
Rs 36000	GEN-3(A)-2202.03.102.02.02.31 - 19(XV)	GEN
- The sanctioned amount is debit to the Major Head of Account: GEN-3(A)-2202.03.102.02.02.31 - 19(XV) - Committed Liabilities: GIA(31) - Minor Research Project (General) and is valid for payment during the financial year 2019-20 Only and subject to the condition indicated below:
- The amount of the Grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer) UGC-SERO, Hyd. in the Grants-in Aid Bill and shall be disbursed to and credited to The Principal, P.S GOVT. DEGREE COLLEGE, PENUKONDA, ANANTAPUR DIST. - 515110, by Electronic Mode through PFMS Portal at the following details:
 (a) Account No: 11133045428 (b) IFSC Code: SBIN0000790 (c) UniqueID: APAN00007634
 (d) Name & Address of Account Holder: The Principal, P.S. GOVT. DEGREE COLLEGE, PENUKONDA, ANANTAPUR DIST (e) Name & Address of Bank Branch:
 4. The Grant is subject to adjustment on the basis of Utilization Certificate in the prescribed Proforma submitted by the Institution.
 5. The Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.
 6. The institution may follow the General Financial Rules, 2017 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFR, 2017 and those don't have their own approved manuals on financial procedures may adopt the provision of GFR 2017 and instructions / Guidelines thereunder from time to time.
 7. The Utilization Certificate to the effect that the grant has been utilized for the propose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.
 8. The assets acquired wholly or substantially out of UGC's Grant shall NOT be disposed or encumbered or utilized for the proposes other than those for which the grants was given without proper sanction of the UGC and should at any time the Institution ceased to function, such assets shall revert to the University Grants Commission.
 9. A Register of Assets acquired wholly or substantially out of the Grant shall be maintained by the Institution in the prescribed proforma

Sri Ramo Kesava Rao
PRINCIPAL

P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)



Principal
P.S. Govt. Degree College
PENUKONDA.

Annexure - V

UNIVERSITY GRANTS COMMISSION
SERO::HYDERABAD - 500 001

Utilization Certification

Certified that the grant Rs. 400,000/-

(Rupees Four lakhs only) received from the University Grant Commission Under the scheme of support for Minor Research Project entitled: Development and Evaluation of polymeric matrix for Controlled release applications using different polymers. Vide U.G.C letter No. F.MRP - 7087/16 (SERD/UGC) 18 MAR 2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with terms and conditions laid down by the University Grant Commission.

19/02/20
SIGNATURE OF THE
PRINCIPAL INVESTIGATOR
Principal Investigator
MRP-7087/16 (SERD/UGC)
Department of Chemistry
P.S. Govt. Degree College,
PENUKONDA-515 110,
Anantapuramu Dt., A.P.

19/02/2020
PRINCIPAL (Seal)
Principal
P.S. Govt. Degree College
PENUKONDA.



For A.G.V. REDDY & Co.
Statutory Auditor (Seal)
Chartered Accountants
Firm Regn. No. 0032455

A.G. VENUGOPAL REDDY
Proprietor
Mem No. 022554

UDN: 9021554A00A0R 4308

Jeeva Krishna Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

No.	Item	Amount Allocated (Rs.)	Amount Sanctioned as first installment (Rs.)
1.	Books & Journals	10000	10000
2.	Equipment	300000	300000
	Total	310000	310000
3.	Field work & Travel	10000	10000
4.	Chemical & Glass Ware	60000	30000
5.	Contingency (incl. Special Needs)	20000	10000
6.	Hiring Services	00	00
	Total	90000	45000
	Grand Total	400000	355000

I am further to convey the sanction of the University Grants Commission to the payment of Rs.355000. to the principal, GOVT. DEGREE COLLEGE, PENUKONDA, ANANTAPUR DIST. as first installment (100% Non-Recurring and 50% Recurring grants) towards the above project.

Amount Sanctioned	Head of Accounts	Category
Rs. 310000.	35-CAP-MRP(50)-3(A)2202.03.102.02.01	GEN
Rs. 45000.	31-GIA-MRP(50)-3(A)2202.03.102.02.01	GEN

The above approval is subject to the general conditions of grants prescribed by the UGC for this scheme.

The sanctioned amount is debitible to the Head of Accounts 35-CAP-MRP(50)-3(A)2202.03.102.02.01 (General), 31-GIA-MRP(50)-3(A)2202.03.102.02.01(General) and is valid for payment during the financial year 2017-18 only and the amount of the Grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer) UGC-SERO, Hyd. on the Grants-In Aid Bill and shall be disbursed to and credited to "The Principal, GOVT. DEGREE COLLEGE, PENUKONDA, ANANTAPUR DIST. by Electronic Mode through PFMS Portal at the following details: (a) Name & Address of Account Holder: The Principal, P.S GOVT. DEGREE COLLEGE, PENUKONDA, ANANTAPUR DIST. (b) Name & Address of Bank Branch: SBI, PENUKONDA

(c) Account No: 1113304542B (d) IFSC Code: SBIN0000790.

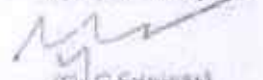
In case the Principal investigator is having ongoing Major/Minor Research Project OR has been transferred/left/retired from the college, the released amount of Rs.355000.- may be returned to UGC-SERO, Hyderabad immediately, failing which action will be initiated against the College for not adhering with the norms of UGC for the scheme.

The grantee institution shall ensure the utilization of grants -in-aid for which it is being sanctioned/paid. In case of non-utilization /part utilization, interest @ 10% per annum as amended from time to time on utilized amount from the date of drawl to the date of refund as per provision contained in General Financial Rules of Govt. of India will be charged.

Jeevan Kesava Rao
 PRINCIPAL
 P.S. Govt. Degree College
 PENUKONDA-515 110
 Sri Sathya Sai (Dist.)


10. The Grantee Institution shall ensure the utilization of Grants-in-Aid for which it is being sanctioned / paid. Breach of Sanction / Part Utilization thereof, except interest @ 10% per annum, an unutilized fund shall be fine on the unutilized amount from the date of credit of amount to the date of refund as per provisions contained in General Financial Rules of Govt of India will be charged.
11. The Institution shall follow strictly the Government of India / UGC's Guidelines regarding implementation of the reservation policy (Both Vertical /for SC, ST & OBC) and horizontal (for Persons with disability etc.) in teaching and non-teaching posts.
12. The Institution shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act 1963 and Official Languages (Use for Official Purposes of Union) Rules, 1974 etc.
13. The sanction is issued in exercise of the Delegation of powers vide UGC Order No. 42/2014 (P.No.10-11/14 (Adm) 854) dated 23.01.2014.
14. The Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009 and amendments thereof.
15. It may be noted that the accounts of the grant-in-aid institution shall be subject to inspection by Officers of the SERO, UG, Hyderabad.
16. The sanction issues in exercise of the delegation of powers vide Comptroller Office Order No. 25,792 dated May 01, 1992.
17. The funds to the extent are available under the Scheme.
18. No Extension will be given beyond two years of tenure.
19. The Principal Investigator of the Project has to send the final Technical Report to this office and a copy to The Director, Information and Library Networking Center (INFLIBNET), Opposite Gujarat University Guest House, Post Box No. 4116, Navrangpura, Ahmedabad - 380 009.
20. A certificate to the effect that books & journals and equipments purchased under the scheme have been deposited to college/institution in the departmental/central library after the completion of this project must be submitted to UGC.
21. A certificate signed by the Principal Investigator and Principal to the effect that Executive summary of the report, Research documents, monograph, academic papers published under Minor Research Project has been posted on the website of the College.
22. The University/ College / Institution is registered / mapped with PFMS Portal.
23. The Expenditure is to be incurred using EAT module in PFMS. The stepwise details for Implementation of EAT Module is available at <https://pfms.nic.in/> → Books and Manuals → EAT User Manual.

Yours faithfully


 (Dr. G. Srinivas)
 Joint Secretary
 2/10/19

Copies forwarded for information and necessary action to:

- (1) The Principal (through RTGS/DIRECT CREDIT/Demand Draft)
 P.S GOVT. DEGREE COLLEGE
 PENUKONDA, ANANTAPUR DIST. - 515110.
 He/She is requested to abide by the instructions/guidelines of sanction order.
- (2) The Principal Accountant General, ANDHRA PRADESH State
 Dr. PRAMA KRISHNA
 Department of CHEMISTRY
 P.S GOVT. DEGREE COLLEGE
 PENUKONDA, ANANTAPUR DIST. - 515110.
- (4) The Commissioner/Director
 Collegiate Education
 Government of ANDHRA PRADESH


 (Dr. G. Srinivas)
 Joint Secretary

Car G.A.S.No. - 77 / 2019-2020

The sanctioned grant of Rs.36,000. /- has been transferred to your college Account as mentioned at the Point No. 3 of this Sanction Order by e-payment through PFMS portal vide date 2-2-19. You are requested to acknowledge the receipt of the above amount in your account by sending back the enclosed stamped receipt within 7 days.


 PRINCIPAL
 P.S. Govt. Degree College
 PENUKONDA-515 110
 Sri Sathya Sai (Dist.)

(R. Rayappa)
 Accounts Officer

MRP-7087/16 (SERO/UGC)

From
Dr. P Ramakrishna,
Lecturer in Chemistry,
P.S Government Degree College,
PENUKONDA,
Anantapur Dist.,
Andhra Pradesh.

To
The Joint Secretary,
UGC-SERO,
5-9-194, Chirag Ali Lane,
IV Floor, APSIC Building,
HYDERABAD - 500 001,
Telangana.

//through proper channel//

Respected Sir/ Madam,

SUB: UGC MRP - Chemistry - Project entitled "Development and Evaluation of polymeric matrix for Controlled release applications using different polymers" - Final report, UC and Bills - Submitted - Reg.

REF: F. MRP-7087/16 (SERO/UGC) Dt. March 2018, Comcode: APSK014

With reference cited above the UGC has sanctioned me Minor Research Project in Chemistry for the period 2018-2020. UGC has allocated Rs. 400,000-00 (Rupees Four Lakhs only) and sanctioned Rs. 391,000-00 (Rupees Three Lakhs Ninety-one thousands only) as first and second installments as shown below.

Sl No	Item	Tot Amount Allocated	1 st Installment		2 nd Installment		Total Released	Total Utilized
			Release	Utilized	Release	Utilized		
1	2	3	4	5	6	7	8	9
Non-Recurring Grants								
1	Books & Journals	10,000	10,000	9,108	0	925	10,000	10,033
2	Equipment	300,000	300,000	300,000	0	0	300,000	300,000
Total A		310,000	310,000	309,108	0	925	310,000	310,033
Recurring Grants								
3	Field work	10,000	5,000	6,260	4,000	3,600	9,000	10,060
4	Chemicals & Glassware	60,000	30,000	30,280	24,000	30,284	54,000	60,564
5	Contingency (incl. stipend)	20,000	10,000	11,652	8,000	8,401	18,000	20,053
6	Hiring Services	---	---	---	---	---	---	---
Total B		90,000	45,000	48,192	36,000	42,485	81,000	90,677
Grand total A+B		400,000	355,000	357,300	36,000	43,410	391,000	400,710

I am herewith submitting the Final Report of work done with Utilization certificate. Kindly consider and sanction the remaining amount of recurring grants of the project of Rs 9,000/- at an early date.

Thanking you sir,

Yours faithfully,



Jeevan Krishna Rao
Principal
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)
P.S. Govt. Degree College
PENUKONDA.

A B
Principal Investigator
MRP-7087/16 (SERO/UGC)
Department of Chemistry
P.S. Govt. Degree College,
PENUKONDA-515 110,
Anantapuramu Dt., A.P.

05-06-202

6. The assets acquired wholly or substantially out of UGC's grants shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the UGC and should, at any time the college ceased to function, such assets shall revert to the UGC.
7. The Principal investigator of the project is required to submit the First year progress report of the work done along with the documents 1) Annual Report of the Project as per Annexure-III 2) Utilization Certificate duly signed by the Principal Investigator, Principal & Chartered Accountant 3) Statement of Expenditure for the approved heads for the sanctioned amount as per Annexure-V duly signed by the Principal Investigator, Principal & Chartered Accountant.
8. The interest earned by the College / Institute on this grants-in-aid shall be treated as additional grant which may be shown in the Utilization Certificate / Statement of Expenditure to be furnished by the grantee institution.
9. The college has to send the filled in Acceptance certificate within 15 days of receipt of this letter, else the college may return back the sanctioned amount to this office. Further if the conditions of the acceptance letter is not acceptable or applicable to the P.I. College, the sanctioned amount be refunded back to SERO-UGC, Hyderabad.
10. The guidelines of Minor Research Project have to be followed in toto.
11. The Grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/Institution.
12. The University/Institution shall maintain proper accounts of the expenditure out of the Grants, which shall be utilized, only on the approved items of expenditure.
13. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.
14. The college shall maintain a Register of Assets acquired wholly or substantially out of the grant in the prescribed proforma.
15. The College shall fully implement to Official languages Policy of Union Govt. and comply with the Official Language Act, 1963 and Official languages (use for official purposes of the Union) Rules, 1976 etc.
16. The approval for the above has been received vide letter No.F.7-3/2016(SERO/MRP/RO) dated 6th September, 2016 from UGC, New Delhi.

Yours faithfully,

(Dr.G.Srinivas)
Joint Secretary

08/13/18

Copy to:

1. The Principal (Along with DD / Funds transferred through E-mode)
P.S.GOV'T. DEGREE COLLEGE
PENUKONDA, ANANTAPUR DIST. - 515110
2. Dr. P.Ramakrishna
Dept. of CHEMISTRY
P.S.GOV'T. DEGREE COLLEGE
PENUKONDA, ANANTAPUR DIST. - 515110.
3. The Dean/Director, College Development Council of affiliating University
4. The Commissioner /Director Collegiate Education, Government of ANDHRA PRADESH
5. The Principal Accounts General (A & E)- Government of ANDHRA PRADESH

(G.K.Pasrija)
Under Secretary

GAR Cap. Sl.No. 624 /2017-2018
GAR GIA Sl.No. 1022/2017-2018

The sanctioned grant of Rs.355000. /- has been transferred to your college Account as mentioned at the Point No. 3 of this Sanction Order by e-payment through PFMS portal vide date.....You are requested to acknowledge the receipt of the above amount in your account by sending back the enclosed stamped receipt within 7 days.

Jeevan Kesava Rao
PRINCIPAL

P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

(R.Rayappa)
Accounts Officer

List of Enclosures:

1. Annexure - III Statement of Expenditure in respect of Minor Research Project for 1st and 2nd Installments
2. Annexure IV - FW & TA
3. Annexure - V Utilization Certificate of the project for first Installment.
4. Annexure - VI Proforma for submission of Annual report of the work done on the project.
5. Acquisition certificate and Assets certificate

Kindly acknowledge the receipt of the Annual report and sanction the remaining Rs 9,000/- of recurring grants of the project at an early date.

Thanking you

Jagan Kesava Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

Yours faithfully,
[Signature]
Principal
P.S. Govt. Degree College
PENUKONDA.

MRP-7087/16 (SERO/UGC)

From
Dr. N. Ramesh Reddy,
The Principal,
PS Government Degree College,
PENUKONDA,
Anantapur Dist.,
Andhra Pradesh.

To
The Joint Secretary,
UGC-SERO,
5-9-194, Chirag Ali Lane,
IV Floor, APSEC Building,
HYDERABAD - 500 001
Telangana.

Sir,

SUB: UGC - MRP in Chemistry to Dr. P Ramakrishna, Dept of Chemistry, PS Govt Degree College, Penukonda, Anantapur Dist. Project entitled "Development and Evaluation of polymeric matrix for Controlled release applications using different polymers" - Final report, SoF, Bills and UC- Submitted - Reg.

REF: F. MRP-7087/16 (SERO/UGC) Dt. March 2018/ amcode: APSK014

With reference cited above the University Grants Commission has sanctioned Minor Research Project in Zoology to Dr. P Ramakrishna, Lecturer in Chemistry, PS Govt. Degree College, Penukonda for the period 2018-2020. UGC has allocated Rs. 400,000-00 (Rupees Four Lakhs) and sanctioned Rs. 391,000-00 (Rupees Three Lakhs Ninety-one thousands only) as first and second installments as shown below. Therefore, I am herewith submitting the following documents and the Final report for your kind perusal and necessary action.

Sl No	Item	Tot Amount Allocated	1 st installment		2 nd installment		Total Released 4+6	Total Utilized 5+7
			Release	Utilized	Release	Utilized		
1	2	3	4	5	6	7	8	9
Non-Recurring Grants								
1	Books & Journals	10,000	10,000	9,108	0	925	10,000	10,033
2	Equipment	300,000	300,000	300,000	0	0	300,000	300,000
Total A		310,000	310,000	309,108	0	925	310,000	310,033
Recurring Grants								
3	Field work	10,000	5,000	6,260	4,000	3,800	9,000	10,060
4	Chemicals & Glassware	60,000	30,000	30,280	24,000	30,284	54,000	60,564
5	Contingency (incl. ipi needs)	20,000	10,000	11,652	8,000	8,401	18,000	20,053
6	Hiring Services	---	---	---	---	---	---	---
Total B		90,000	45,000	48,192	36,000	42,485	81,000	90,677
Grand total A+B		400,000	355,000	357,300	36,000	43,410	391,000	400,710



Jeeva Krishna Rao
PRINCIPAL

P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

ABSTRACT OF EXPENDITURE

Sl No	Approved	Released So far			Exp. Incurred	Remaining amount to be released
		I Installment	II Installment	Total		
1	400,000/-	355,000/-	30,000/-	391,000/-	400,710/-	9,000/-

7. If, as a result of check or audit objection some irregularity is noticed a later date action will be taken to refund, adjust or regularize the objected amounts

8. It is certified that the grant of Rs 400,000 (Rupees Four lakhs only) received from the University Grants Commission under scheme of support for Minor research project entitled Development and Evaluation of polymeric matrix for Controlled release applications using different polymers, vide UGC letter No. F. MRP-7087/16 (SERO/UGC) dt 18 MAR 2018 has been fully utilized for the purpose of which it was sanctioned and in accordance with the terms and conditions laid down by the University Grants Commission

Signature of the Principal Investigator

Principal Investigator
MRP-7087/16 (SERO/UGC)
Department of Chemistry
P.S. Govt. Degree College,
PENUKONDA-515 110.
Anantapuramu DL, A.P.

Principal
(Seal)
Principal
P.S. Govt. Degree College
PENUKONDA.

JaganKandam Rao

PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)

UNIVERSITY GRANTS COMMISSION
UGC-SERO :: HYDERABAD - 500 001

STATEMENT OF EXPENDITURE IN RESPECT OF MINOR RESEARCH PROJECT

1. Name of the Principle Investigator : Dr P. Ramakrishna
 2. Dept. of PI : Chemistry
 Name of the College : PS Government Degree College, Penukonda
 3. UGC Approval Letter No & Date : MRP-L.7087/16 (SERO/UG5) 18 MAR 2018
 4. Title of the Research Project : "Development and Evaluation of polymeric matrix for Controlled release applications using different polymers"
 5. Effective Date of starting the Project : 20 APR 2018
 6. a. Period of expenditure : From 20-APR 2018 to 31-MAR 2020
 b. Details of the Expenditure : I+II installments + including pending release

Sl No	Item	Tot Amount Allocated	1 st Installment		2 nd Installment		Total Released	Total Utilized
			Release	Utilized	Release	Utilized		
1	2	3	4	5	6	7	8	9
Non-Recurring Grants								
1	Books & Journals	10,000	10,000	9,108	0	925	10,000	10,033
2	Equipment	300,000	300,000	300,000	0	0	300,000	300,000
Total A		310,000	310,000	309,108	0	925	310,000	310,033
Recurring Grants								
3	Field work	10,000	5,000	6,260	4,000	3,800	9,000	10,060
4	Chemicals & Glassware	60,000	30,000	30,280	24,000	30,284	54,000	60,564
5	Contingency (incl. agri needs)	20,000	10,000	11,652	8,000	8,401	18,000	20,053
6	Hiring Services	---	---	---	---	---	---	---
Total B		90,000	45,000	48,192	26,000	42,485	81,000	90,677
Grand total A+B		400,000	355,000	357,300	26,000	43,410	391,000	400,710

Jeevan Kesava Rao
 PRINCIPAL
 P.S. Govt. Degree College
 PENUKONDA-515 110
 Sri Sathya Sai (Dist.)

- 10. The institutions shall follow strictly the Government of India/UGC's Guidelines regarding implementation of the reservation policy (Both Vertical (for SC, ST & OBC) and Horizontal (for Persons with disability etc.)) in teaching and non-teaching posts.
- 11. The Institutions shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act 1963 and Official Languages (Use for Official Purposes of Union) Rules, 1974 etc.
- 12. The creation is issued in exercise of the delegation of powers vide UGC Order No. 09/2014 (F No. 10-11/11 Adm/A&S) dated 24.02.2014.
- 13. The Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009 and amend events thereof.
- 14. It may be noted that the accounts of the grant-in-aid institutions shall be subject to inspection by Officers of the CBDO, UGC, Hyderabad.
- 15. The University/College/Institute shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts for Scheduled Castes/Scheduled Tribes/OBC/WA/PH.
- 16. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1974 etc.
- 17. The accounts books as required in the delegation of powers vide Commission Order (F No. 25/11 dated 27.05.1992).
- 18. The Govt. to the extent it is able to under the scheme.
- 19. The University/ College / Institution is registered / mapped with PFMS Portal.
- 20. The degree books for important technical B.T. Module is available at <http://www.ugc.ac.in> → Books and Manuals → B.T. User Manual.

It is requested that the sanction order in the subject of the above mentioned is "Settled".

Yours faithfully,
R. Mani Kumar
(Dr. R. Mani Kumar)
Joint Secretary

Copy being sent for information and necessary action to:

- 1. The Principal (through N.T.C./DIRECT CREDIT/Demand Draft)
P.S. GOVT. DEGREE COLLEGE
PENUKONDA-515 110
ANANTAPUR DIST.
ANDHRA PRADESH
Dr. D. S. Sathya Sai (to the extent it is possible to be satisfied at least one of)
- 2. The Principal, Accounts Officer, ANTHRA PRADESH
- 3. The N.T.C.
- 4. Dr. S. SATHYA SAI
Department of COLLEGE
PENUKONDA DEGREE COLLEGE
PENUKONDA-515 110
ANANTAPUR DIST.
ANDHRA PRADESH
- 5. The Commissioner, Director
University Education
Government of ANHRA PRADESH

(Dr. S. Sathya Sai)
Deputy Secretary

Sanction No. 16 / 2020-2021

The sanctioned post of Rs.21902/- has been transferred to your college as mentioned in the Para No. 3 of this Sanction Order by employment through PFMS (1) vide Transaction No. 25/03/2022 etc. are requested to acknowledge the receipt of the above annex.

Sreeno Kesava Rao
PRINCIPAL
P.S. Govt. Degree College
PENUKONDA-515 110
Sri Sathya Sai (Dist.)
(S. Sathya Sai)
25/03/2022
Accounts Officer